Agilent G3510-60820

Multi Mode Inlet Cleaning Kit

Table 1 Parts supplied

Description	Quantity
Abrasive swab	5
Cotton swab	5

You will also need at least 25 mL of acetone, isopropanol, or hexane (whichever is most appropriate for your sample matrix). In addition, you will need a 100 mL beaker or similar container to catch the solvent rinse.

Cleaning Procedure

This procedure explains how to clean the Multi Mode Inlet (MMI). Depending on the inlet mode used, the liner installed, and the cleanliness of the sample, the frequency of cleaning may range from weekly to monthly. When establishing your cleaning frequency, start with a visual inspection of the inlet bottom whenever a liner is changed. A small ring of material will collect at the bottom of the inlet when dirty samples such as food extracts or solid waste extracts are injected. An initial cleaning schedule of every two weeks for dirty samples and every two months for clean samples is appropriate and can be adjusted subsequently.

1. Cool the oven and MMI. Turn off the GC.
2. Open the MMI turn top and remove the liner from the MMI. Open the oven door and remove the column from the MMI.
3. Moisten a cotton swab with solvent and wipe the inside bottom seal of the inlet repeatedly to remove any loose material from the MMI. If desired, the cotton swab can be used to clean the bore of the inlet. For most samples, this is not necessary. Dispose of the swab after a single use.
4. Using a dry abrasive swab, place the swab all the way to the bottom of the inlet and with moderate pressure, twist the

swab forwards and backwards while it is in contact with the bottom of the MMI (approximately 20 cycles should be sufficient). The abrasive swab can be used multiple times.

5 Using a second solvent moistened cotton swab, wipe the bottom of the inlet to remove any residue. Depending on the amount of use and maximum temperature used, the bottom of the inlet may still show some oxidation (light brown color). This is normal and will not affect inlet performance. Repeat steps 3-5 (if necessary) to remove any remaining deposits.

6 Using clean solvent, rinse the inlet volume several times but never overfill the inlet bore. Position a container under the column opening in the inlet to catch the used solvent exiting the bottom of the MMI.

7 Allow the MMI to dry before reinstalling the column and inlet liner.

8 Turn on the GC.

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Printed in USA
First edition, April 2011
Agilent Technologies, Inc.
5301 Stevens Creek Boulevard
Santa Clara, CA 95051 USA

G3510-90820